United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N 2 5	3 WAU000529 11	12 11/02/22 17	18 =	19 R	20 3

Remarks: JB 3-2-2011

21 ... 66

Inspection Work Days	Facility Self-Monitoring Evaluation Rating	BI	QA	Reserved
67 ... 69	70	71	72	73 ... 74 / 75 ... 80

Section B: Facility Data

Name and Location of Facility Inspected *(For industrial users discharging to POTW, also include POTW name and NPDES permit number)*

VAN DYK'S HOLSTEIN, LLC
1450 VAN DYK ROAD
LYNDEN, WASHINGTON 98264

Entry Time/Date	Permit Effective Date
1245 PM FEB 22, 2011	
Exit Time/Date	**Permit Expiration Date**
1420 PM FEB 22, 2011	

Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)

LANDON VAN DYK (b) (6)
(b) (6) [redacted]

Other Facility Data *(e.g., SIC NAICS, and other descriptive information)*

SIC CODE: 0241

GPS N 48°.914444
W 122°.414166

Name, Address of Responsible Official/Title/Phone and Fax Number

LANDON VAN DYK (b) (6) [redacted]
1450 VAN DYK ROAD
[redacted] (b) (6) [redacted]

Contacted: [X] Yes [ ] No

Section C: Areas Evaluated During Inspection *(Check only those areas evaluated)*

[ ] Permit	[ ] Self-Monitoring Program	[ ] Pretreatment	[ ] MS4
[ ] Records/Reports	[ ] Compliance Schedules	[ ] Pollution Prevention	
[X] Facility Site Review	[ ] Laboratory	[ ] Storm Water	
[X] Effluent/Receiving Waters	[ ] Operations & Maintenance	[ ] Combined Sewer Overflow	
[ ] Flow Measurement	[ ] Sludge Handling/Disposal	[ ] Sanitary Sewer Overflow	

Section D: Summary of Findings/Comments

(Attach additional sheets of narrative and checklists, including Single Event Violation codes, as necessary)

SEV Codes SEV Description

RECEIVED
MAR 2 2011
U.S. EPA REGION 10
OFFICE OF COMPLIANCE AND ENFORCEMENT

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
DAVE TERRENING	EPA/REGION/OCE 206 553 6905	Feb 22, 2011
Brent Rideout	EPA/RAIN/OEA 360 871-8711	Feb 22, 2011
Signature of Management Q A Reviewer	**Agency/Office/Phone and Fax Numbers**	**Date**
	EPA/OCE (206) 553-5317	3/24/11

EPA Form 3560-3 (Rev 1-06) Previous editions are obsolete.

NPDES WAU000529

PCS. 3-2-2011 JB

INSTRUCTIONS

Section A: National Data System Coding *(i.e., PCS)*

Column 1: Transaction Code: Use N, C, or D for New, Change, or Delete. All inspections will be *new* unless there is an error in the data entered.

Columns 3-11: NPDES Permit No. Enter the facility's NPDES permit number - third character in permit number indicates permit type for U=unpermitted, G=general permit, etc.. *(Use the Remarks columns to record the State permit number, if necessary.)*

Columns 12-17: Inspection Date. Insert the date entry was made into the facility. Use the year/month/day format (e.g., 04/10/01 = October 01, 2004).

Column 18: Inspection Type*. Use one of the codes listed below to describe the type of inspection:

A	Performance Audit
B	Compliance Biomonitoring
C	Compliance Evaluation (non-sampling)
D	Diagnostic
F	Pretreatment (Follow-up)
G	Pretreatment (Audit)
I	Industrial User (IU) Inspection
J	Complaints
M	Multimedia
N	Spill
O	Compliance Evaluation (Oversight)
P	Pretreatment Compliance Inspection
R	Reconnaissance
S	Compliance Sampling
U	IU Inspection with Pretreatment Audit
X	Toxics Inspection
Z	Sludge - Biosolids
#	Combined Sewer Overflow-Sampling
$	Combined Sewer Overflow-Non-Sampling
+	Sanitary Sewer Overflow-Sampling
&	Sanitary Sewer Overflow-Non-Sampling
\	CAFO-Sampling
=	CAFO-Non-Sampling
2	IU Sampling Inspection
3	IU Non-Sampling Inspection
4	IU Toxics Inspection
5	IU Sampling Inspection with Pretreatment
6	IU Non-Sampling Inspection with Pretreatment
7	IU Toxics with Pretreatment
!	Pretreatment Compliance (Oversight)
@	Follow-up (enforcement)
{	Storm Water-Construction-Sampling
}	Storm Water-Construction-Non-Sampling
:	Storm Water-Non-Construction-Sampling
~	Storm Water-Non-Construction-Non-Sampling
<	Storm Water-MS4-Sampling
-	Storm Water-MS4-Non-Sampling
>	Storm Water-MS4-Audit

Column 19: Inspector Code. Use one of the codes listed below to describe the *lead agency* in the inspection.

A —	State (Contractor)
B —	EPA (Contractor)
E —	Corps of Engineers
J —	Joint EPA/State Inspectors—EPA Lead
L —	Local Health Department (State)
N —	NEIC Inspectors
O —	Other Inspectors, Federal/EPA (Specify in Remarks columns)
P —	Other Inspectors, State (Specify in Remarks columns)
R —	EPA Regional Inspector
S —	State Inspector
T —	Joint State/EPA Inspectors—State lead

Column 20: Facility Type. Use one of the codes below to describe the facility.

1 — Municipal. Publicly Owned Treatment Works (POTWs) with 1987 Standard Industrial Code (SIC) 4952.
2 — Industrial. Other than municipal, agricultural, and Federal facilities.
3 — Agricultural. Facilities classified with 1987 SIC 0111 to 0971.
4 — Federal. Facilities identified as Federal by the EPA Regional Office.
5 — Oil & Gas. Facilities classified with 1987 SIC 1311 to 1389.

Columns 21-66: Remarks. These columns are reserved for remarks at the discretion of the Region.

Columns 67-69: Inspection Work Days. Estimate the total work effort (to the nearest 0.1 work day), up to 99.9 days, that were used to complete the inspection and submit a QA reviewed report of findings. This estimate includes the accumulative effort of all participating inspectors; any effort for laboratory analyses, testing, and remote sensing; and the billed payroll time for travel and pre and post inspection preparation. This estimate does not require detailed documentation.

Column 70: Facility Evaluation Rating. Use information gathered during the inspection (regardless of inspection type) to evaluate the quality of the facility self-monitoring program. Grade the program using a scale of 1 to 5 with a score of 5 being used for very reliable self-monitoring programs, 3 being satisfactory, and 1 being used for very unreliable programs.

Column 71: Biomonitoring Information. Enter D for static testing. Enter F for flow through testing. Enter N for no biomonitoring.

Column 72: Quality Assurance Data Inspection. Enter Q if the inspection was conducted as followup on quality assurance sample results. Enter N otherwise.

Columns 73-80: These columns are reserved for regionally defined information.

Section B: Facility Data

This section is self-explanatory except for "Other Facility Data," which may include new information not in the permit or PCS (e.g., new outfalls, names of receiving waters, new ownership, other updates to the record, SIC/NAICS Codes, Latitude/Longitude).

Section C: Areas Evaluated During Inspection

Check only those areas evaluated by marking the appropriate box. Use Section D and additional sheets as necessary. Support the findings, as necessary, in a brief narrative report. Use the headings given on the report form (e.g., Permit, Records/Reports) when discussing the areas evaluated during the inspection.

Section D: Summary of Findings/Comments

Briefly summarize the inspection findings. This summary should abstract the pertinent inspection findings, not replace the narrative report. Reference a list of attachments, such as completed checklists taken from the NPDES Compliance Inspection Manuals and pretreatment guidance documents, including effluent data when sampling has been done. Use extra sheets as necessary.

*Footnote: In addition to the inspection types listed above under column 18, a state may continue to use the following wet weather and CAFO inspection types until the state is brought into ICIS-NPDES: K: CAFO, V: SSO, Y: CSO, W: Storm Water 9: MS4. States may also use the new wet weather, CAFO and MS4 inspections types shown in column 18 of this form. The EPA regions are required to use the new wet weather, CAFO, and MS4 inspection types for inspections with an inspection date (DTIN) on or after July 1, 2005.

NPDES
Inspection Report

Van Dyk S Holstein, LLC

Lynden, Washington

February 22, 2011

Prepared by:
Dave Terpening, Environmental Scientist
Environmental Protection Agency, Region 10
Office of Compliance and Enforcement
Inspection and Enforcement Management Unit

(Unless otherwise noted, all details in this inspection report were obtained from conversations with Landon Van Dyk or from observations during the inspection.

This inspection report includes several aerial photographs (attachment A) and a photograph documentation attachment (attachment B).

I. Facility Information

Facility Name:	Van Dyk S Holstein, LLC
Facility Type:	Dairy (SIC 0241)
Facility Address:	1450 Van Dyk Road Lynden, Washington 98264 Whatcom County
Mailing Address:	1414 Van Dyk Road Lynden, Washington 98264 Whatcom County
Facility Phone #'s:	(b) (6)
Facility Contact:	Landon Van Dyk (b) (6)
Facility GPS Position:	N 48° .914444 W 122° .414166

II. Inspection Information

Inspection Date:	February 22, 2011
Arrival Time:	12:45 PM
Departure Time:	14:20 PM
Weather:	Clear and cold with light show
Purpose:	The inspection was conducted to document the facility's compliance with the Concentrated Animal Feeding Operation (CAFO) Regulations pursuant to the Clean Water Act (CWA).
Inspectors:	Dave Terpening (EPA) Brent Richmond (EPA) Steve Hulbert (Washington State Department of Agriculture)

III. Scope of Inspection

This inspection consisted of an opening conference to conduct initial introductions and to discuss the purpose and expectations of the inspection, a facility tour and a closing conference.

IV. Permit Information

This facility is currently not covered by the Washington Concentrated Animal General Feeding Operation (CAFO) National Pollutant Discharge Elimination System (NPDES) General Permit.

V. Facility Inspection

This was an unannounced NPDES Compliance Evaluation Inspection (CEI). I presented my credentials and identified myself as an EPA inspector to Mr. Van Dyk. I explained the purpose of the visit upon arriving at the facility on Tuesday February 22, 2011 at 12:45 PM. I then gave Mr. Van Dyk my business card and an EPA handout during the opening conference.

After the opening conference I went through a series of questions with Mr. Van Dyk to gather some additional information about both facilities. When we completed the questions, we proceeded to walk around the main dairy operation and the heifer rearing facility. The facility tour included the animal confinement areas, milking parlor, waste handling process, waste storage lagoons and tanks, field application methods, feed and silage storage, and storm water management procedures. Mr. Van Dyk did not deny us access to the facility. We were allowed to inspect all areas that we wanted to see.

VI. Background and Activity

According to Landon Van Dyk, the dairy has been in operation since 1909 and Grant Van Dyk(b) (6) owns and operates the dairy together. This dairy facility is considered a large concentrated animal feeding operation and consists of the barn complex where animals are confined, fed, and maintained. It also includes a milk parlor, a silage storage area, solids separator, waste storage lagoons, underground storage tank, and adjacent pastures. The total acreage of this dairy operation is around 550 acres. The dairy owns about 403 spreadable acres currently and leases another 150 acres. The dairy leases a second facility that has a small barn complex and a lagoon. Mr. Van Dyk indicated that the lagoons are now connected together by an underground pipe allowing them the capability of transferring the wastewater as needed.

The main facility includes 520 milking cows, 80 dry cows and about 230 heifers. The secondary facility has about 200 young heifers on site. All the cows are in the barns year-round. The waste generated at this facility is mainly manure and urine deposited in the barn areas. This facility is designed such that the wastes generated are collected, separated, composted, stored and then ultimately land applied on nearby pastures. In

addition the Van Dyk main facility is in the process of adding a new digester system to the waste management process and a 700,000 gallon above ground storage tank.

The current waste system is designed to scrape the alleyways to an underground tank. The waste is then pumped from the below ground tank through a solids separator to the lagoons. The solid portion of the waste is stored in a dry stack area until it can be land applied or provide bedding material for the cows. The liquid wastewater from the lagoons can be applied to the surrounding fields as needed. Mr. Van Dyk indicated that he has about 120 days of storage capacity currently. When the new digester and above ground tank are completed the total storage capacity for the facility will be around 6.5 million gallons.

The total acreage of the dairy farm is about 500 acres. Mr. Van Dyk says only about 400 acres can be applied to during the year.

The inspection of this dairy is part of EPA Region 10's concentrated animal feeding operation initiative. This facility was last inspected on January 26, 2010 by Washington State Department of Agriculture. The Nutrient Management Plan is in the process of being updated and modified to include the addition of the second facility.

VII. Individuals Present

The inspectors present for this inspection included Dave Terpening (EPA), Brent Richmond (EPA), and Steve Hulbert (WDA).

Landon Van Dyk was present during the entire inspection.

VIII. Observed Discharge

I did not see any wastewater discharged at the time of the inspection.

IX. Receiving Water

Mr. Van Dyk said the nearest surface water to the main facility is Scott Ditch. Scott Ditch is about ¼ mile north of the barns and is a tributary to the Nooksak River. A tributary to Scott Ditch runs adjacent to the lagoon at the second facility.

X. Sample Collection and Analyses

I did not collect any samples at the time of this inspection.

XI. Areas of Concern

We inspected both of the facilities including the confinement areas and the waste handling systems. I did not see or identify any concerns at the time of the inspection.

XII. Closing Conference

The closing conference was held with Mr. Van Dyk to discuss our inspection observations. I thanked Mr. Van Dyk for his time and cooperation with the inspection.

Report Completion Date: 3/24/2011

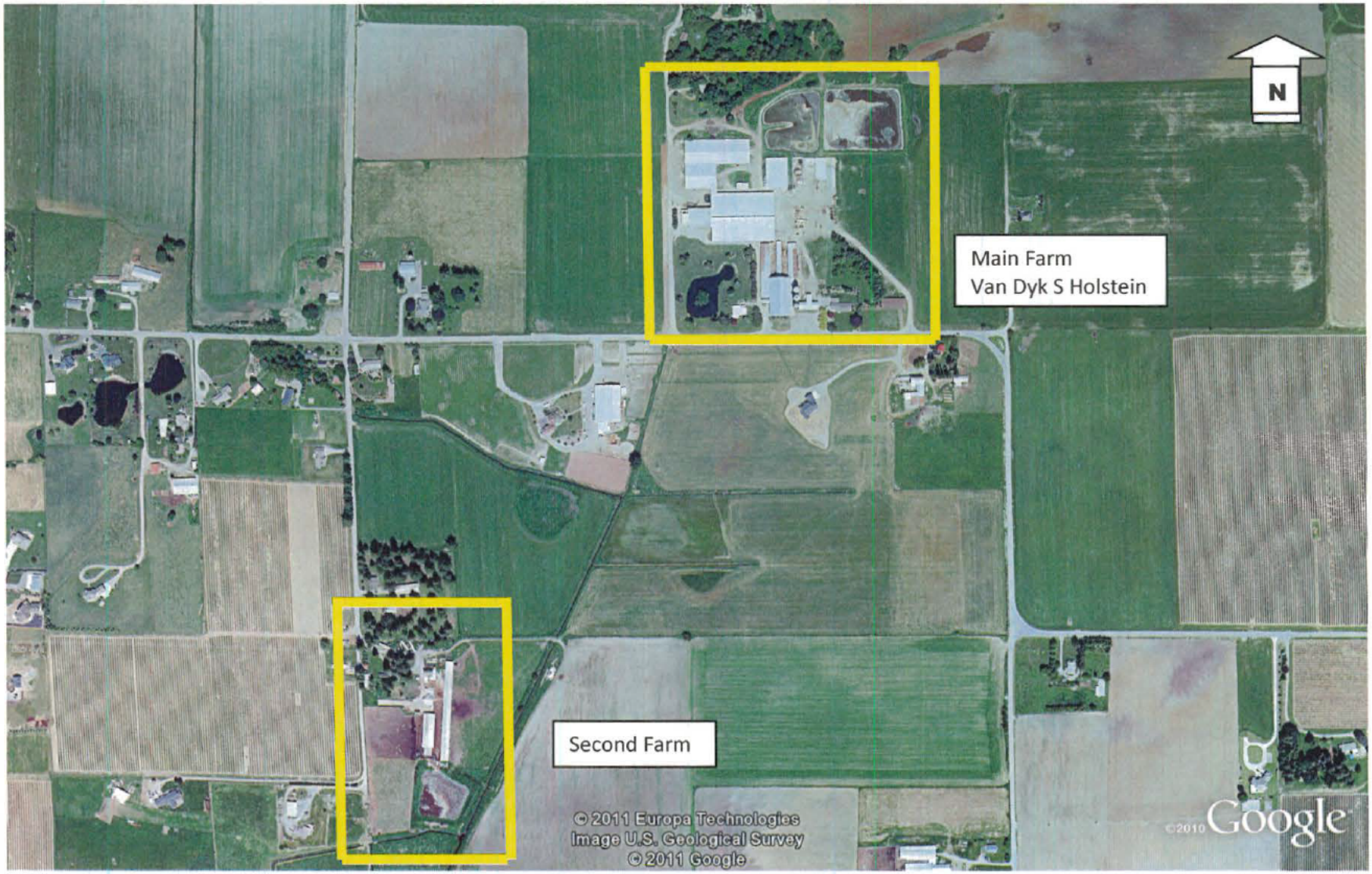
Lead Inspector Signature:

ATTACHMENT A

Aerial Photographs

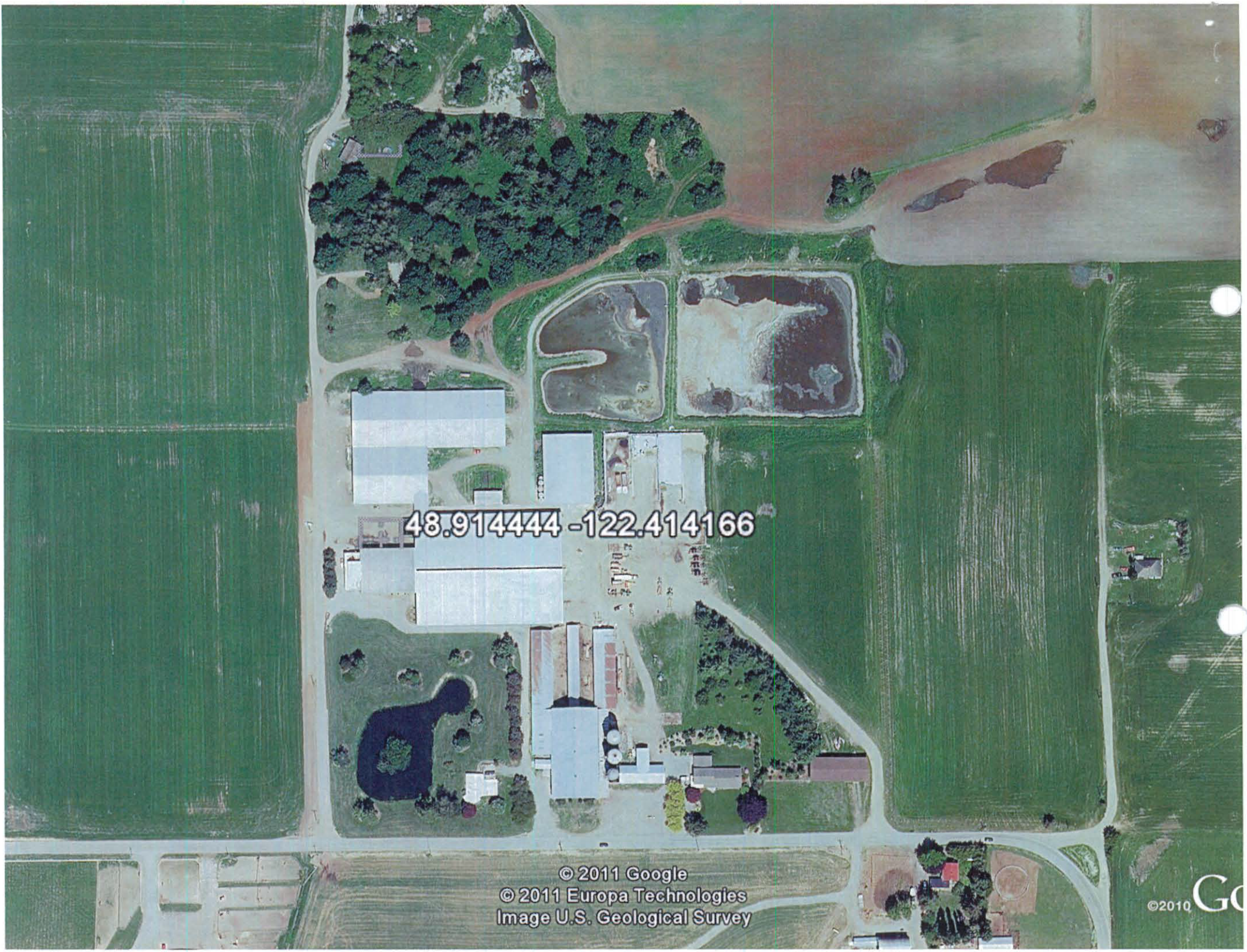
Van Dyk S Holstein
1450 Van Dyk Road
Lynden, WA 98264

GPS N 48.914444 W 122.414166



Van Dyk S Holstein main dairy and second facility locations marked in yellow with an underground pipe connecting the lagoons together.


© 2011 Europa Technologies
Image U.S. Geological Survey
© 2011 Google
©2010


48.914444 -122.414166
© 2011 Google
© 2011 Europa Technologies
Image U.S. Geological Survey
©2010


48.908736 -122.419431
© 2011 Google
© 2011 Europa Technologies
Image U.S. Geological Survey
©2010 Go

ATTACHMENT B

Photograph Documentation

NPDES Compliance Inspection conducted at the Van Dyk S Holstein LLC on February 22, 2011. All photographs taken by Dave Terpening on February 22, 2011.

Photo 1 Photo of front entrance sign to facility.

Photo 2 Barn feeding alleyway.

NPDES Compliance Inspection conducted at the Van Dyk S Holstein LLC on February 22, 2011. All photographs taken by Dave Terpening on February 22, 2011.

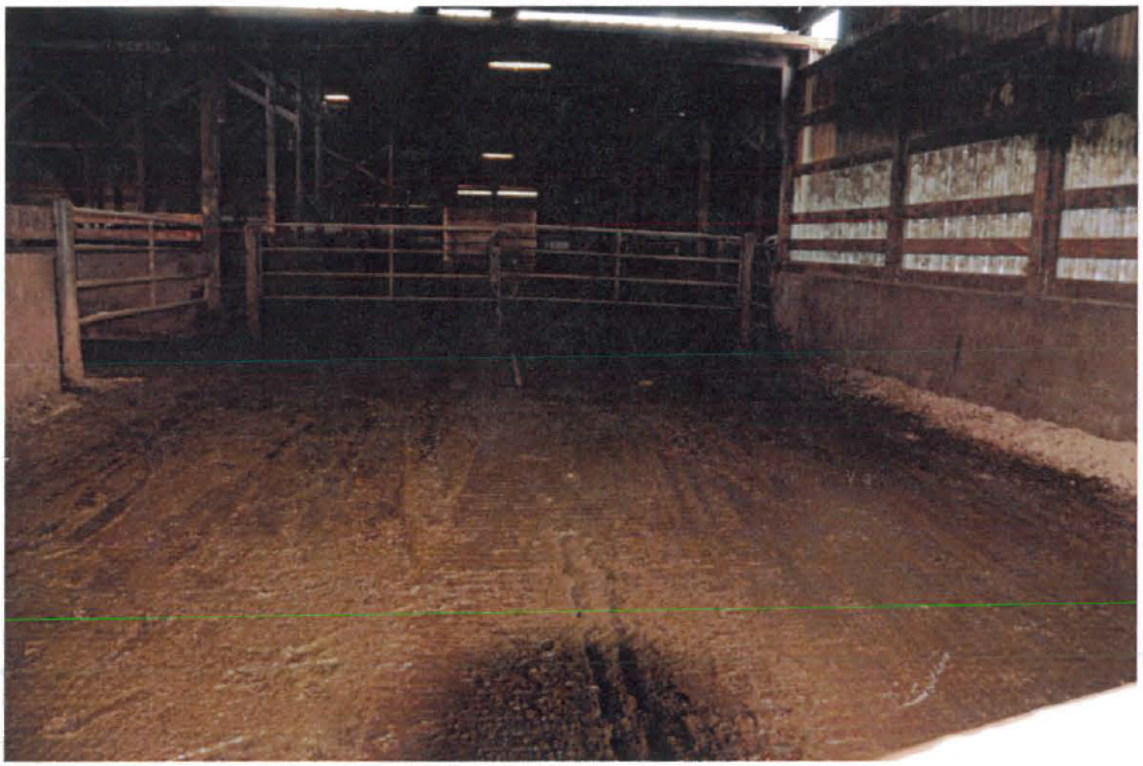


Photo 3 Floor drains system are gravity flow to underground storage tank.

Photo 4 Looking at underground storage tank and pump system used to move the manure through the solid separator and on to the lagoons.

NPDES Compliance Inspection conducted at the Van Dyk S Holstein LLC on February 22, 2011. All photographs taken by Dave Terpening on February 22, 2011.

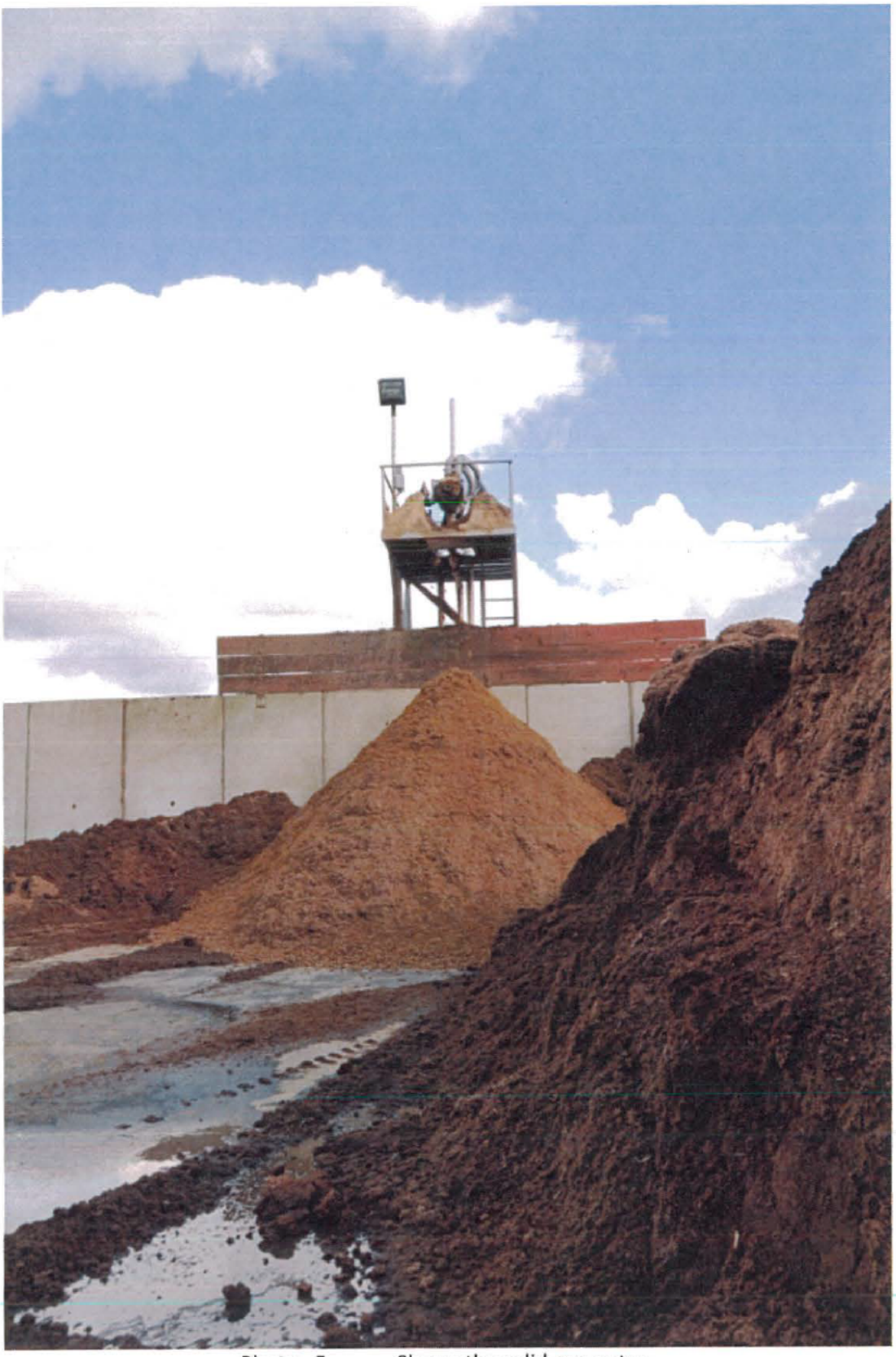


Photo 5 Shows the solid separator.

NPDES Compliance Inspection conducted at the Van Dyk S Holstein LLC on February 22, 2011. All photographs taken by Dave Terpening on February 22, 2011.

Photo 6 This photo and the next photo are showing the rain gutter system was recently hit by tractor knocking the rain gutter off the barn.

NPDES Compliance Inspection conducted at the Van Dyk S Holstein LLC on February 22, 2011. All photographs taken by Dave Terpening on February 22, 2011.

Photo 7 This photo and the last photo are showing the rain gutter system was recently hit by tractor knocking the rain gutter off the barn.

NPDES Compliance Inspection conducted at the Van Dyk S Holstein LLC on February 22, 2011. All photographs taken by Dave Terpening on February 22, 2011.

Photo 8 Looking at the silage storage area.

Photo 9 Looking East at the new digester system the farm. This is scheduled to be completed by mid April 2011.

NPDES Compliance Inspection conducted at the Van Dyk S Holstein LLC on February 22, 2011. All photographs taken by Dave Terpening on February 22, 2011.

Photo 10 A new 700,000 gallon above ground tank is being built with new digester .

Photo 11 Looking south along the east side of the larger lagoon. Lagoon appears to be very full.

NPDES Compliance Inspection conducted at the Van Dyk S Holstein LLC on February 22, 2011. All photographs taken by Dave Terpening on February 22, 2011.

Photo 12 Looking east across both lagoons at or near capacity.

Photo 13 Chemicals Stored in the milking parlor.

NPDES Compliance Inspection conducted at the Van Dyk S Holstein LLC on February 22, 2011. All photographs taken by Dave Terpening on February 22, 2011.

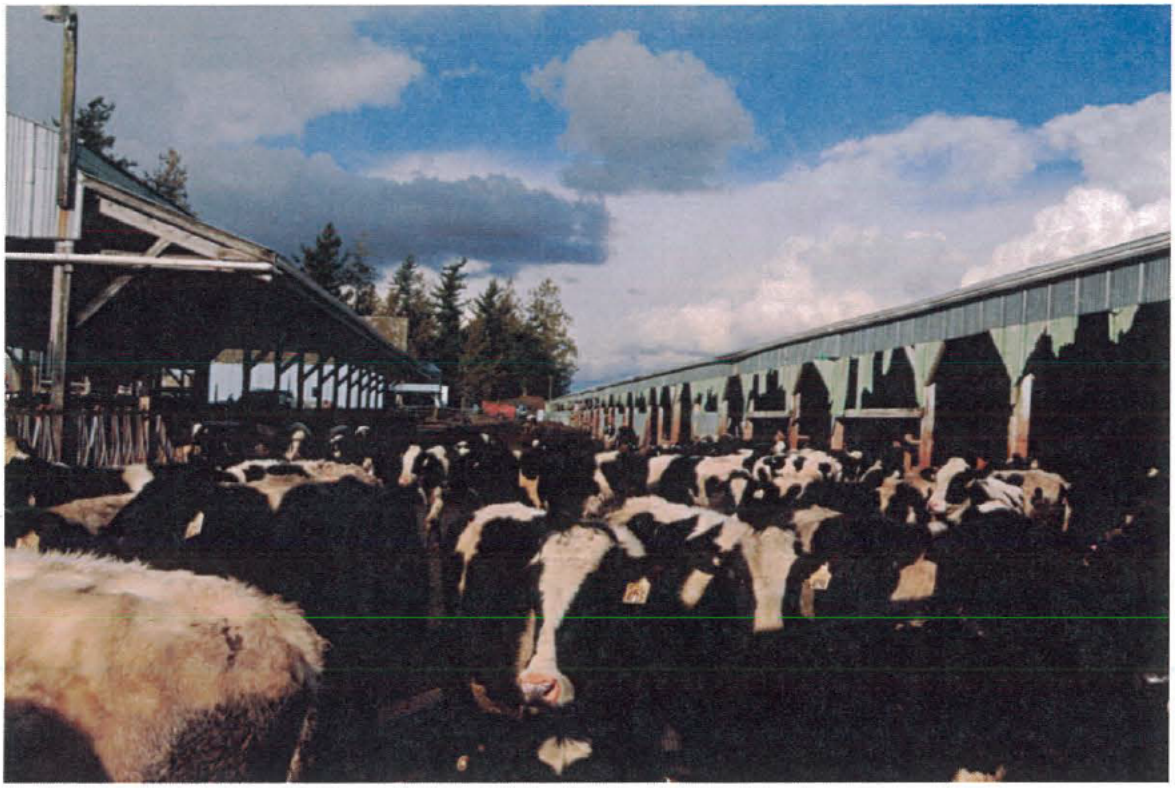


Photo 14 Photo of alleyway at heifer facility.

Photo 15 Looking south across lagoon at second facility. A tractor is used to push and scrape waste into the lagoon.

NPDES Compliance Inspection conducted at the Van Dyk S Holstein LLC on February 22, 2011. All photographs taken by Dave Terpening on February 22, 2011.

Photo 16 Looking north along the east side of the lagoon. A drainage ditch is just over the bank from the lagoon.